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[PDF] ► **Respiratory Motion Correction on 3D Positron Emission Tomography Images**

M Dawood · miami.uni-muenster.de

... The acquired data is a **forward projection** of the distribution of the radiotracer in ... The third chapter presents different aspects of the problem of **motion** in PET ...

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BAYESIAN RECONSTRUCTION OF FUNCTIONAL IMAGES USING REGISTERED ANATOMICAL IMAGES AS PRIORS

RAIAS PRIORS - Information Processing in Medical Imaging: 12th ..., 1991 - Springer

... boundaries obtained from CT and MRI can indeed ... The symbol) is the **forward projection** operator (Radon transform ... stereo, texture, color, and motion images of the ...

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Spatial transformation during 3D reconstruction in positron emission tomography

AM Smith, T Bruckbauer, K Wienhard, U Pietrzyk, LG ... - European Journal of Nuclear Medicine and Molecular Imaging, 1997 - Springer

... Therefore, we assumed that no **motion** occurred between ... can be done during the **forward projection** process F T ... registration: validation for PET, SPECT, MRI and CT ...

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A MECHANICAL IMAGE MODEL FOR BAYESIAN TOMOGRAPHIC RECONSTRUCTION

Z SHIYING, CAI HAIYAN - Beyond Wavelets, 2003 - books.google.com

... pixtron driven by the mean curvature **motion** is much ... CT) and magnetic resonant imaging (MRI) is called ... which PE RMxJV is the **forward projection** matrix, whose ...

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Partial volume corrected image derived input functions for dynamic PET brain studies:

Methodology ...

JEM Mourik, M Lubberink, UMH Klumpers, EF Comans, ... - Neuroimage, 2008 - Elsevier

... the 3D PSF was included in the **forward projection** step only ... in patient positioning between PET and MRI scans ... subjects ($p < 0.05$), possibly due to **motion** artefacts ...

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A MECHANICAL IMAGE MODEL FOR BAYESIAN TOMOGRAPHIC RECONSTRUCTION

S ZHAO, H CAI - Beyond Wavelets, 2003 - books.google.com

... a pixtron driven by the mean curvature **motion** is much ... CT) and magnetic resonant imaging (MRI) is called ... which PE KMxW is the **forward projection** matrix, whose ...

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Magnetic resonance imaging-guided attenuation and scatter corrections in three-dimensional brain ... ► hcu.ge.ch [PDF]

H Zaidi, ML Montandon, DO Slosman - Medical Physics, 2003 - link.aip.org

... matrix is then calculated by **forward projection** at appropriate ... errors due to patient **motion** when using ... calculated attenuation correction, MRI-based attenuation ...

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A method to correct for scatter, spillover, and partial volume effects in region of interest


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Automated image registration: I. General methods and intrasubject, intramodality validation.

RP Woods, ST Grafton, CJ Holmes, SR Cherry, JC ... - Journal of Computer Assisted Tomography, 1998 - jcat.org

... predicted cost function change drops **below** a prespecified ... and in many contexts the **differences** in speed ... cost function, a primary **convergence criterion** of 10 -5 ...

Cited by 970 - Related articles - Web Search - BL Direct - All 4 versions

Organ-specific backprojection

U Katscher, T Koehler, T Schmidt - US Patent App. 10/510,005, 2003 - Google Patents

... calculated iteration images until at least one **convergence criterion** is satisfied, that is, notably the **difference dropping below** a predetermined ...

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A Smoothed EM Approach to Indirect Estimation Problems, with Particular Reference to Stereology and ...

BW Silverman, MC Jones, JD Wilson, DW Nychka - Journal of the Royal Statistical Society. Series B (...), 1990 - jstor.org

... Using the **convergence criterion** stop as soon as $\|X(t)-X_0\|$... Any minor **differences** can be largely attributed to ... The Problem **PET** is a medical diagnostic technique ...

Cited by 155 - Related articles - Web Search - All 3 versions

Reconstruction of Positron Emission Tomography Images by using MAP

F Boschetti, A Kummert, H Herzog - Multidimensional Signals, Circuits and Systems, 2001 - books.google.com

... error and serves as a **convergence criterion** $6=1$... been so small that they lay **below** the visual ... In summary, **differences** between the low frequency components of ...

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... mixture framework for the integration of anatomical information in functional image

reconstruction - psu.edu (pdf)

A Rangarajan, IT Hsiao, G Gindi - Journal of Mathematical Imaging and Vision, 2000 - Springer

... with other approaches, anatomical label **differences** are used ... to be extended to an affine model for **PET**. ... the joint mixture model and will be described **below**. ...

Cited by 30 - Related articles - Web Search - BL Direct - All 18 versions

Optimization techniques and inverse problems: reconstruction of conductivity profiles in the time ...

D Lesselier - IEEE Transactions on Antennas and Propagation, 1982 - ieeeexplore.ieee.org

... As it will be specified **below**, we assume ... trapezoidal rule and the derivatives by finite difference. ... ϕ') satisfies a given **convergence criterion**, the iterative ...

Cited by 21 - Related articles - Web Search - All 2 versions

Automated alignment and sizing of myocardial stress and rest scans to three-dimensional normal ...

PJ Slomka - Journal of nuclear medicine, 1995 - Soc Nuclear Med

... the pixel size of the **reconstructed** images was 3.15 ... 2 sds **below** the template counts in corresponding segments ... The count **difference convergence criterion** provided better ...

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